

A NEW SPECIES OF *NANNAMORIA* (MOLLUSCA: VOLUTIDAE) FROM SOUTHERN QUEENSLAND

By T. A. GARRARD.*

The following new species of volute was collected during the fourth survey of the prawn fishery investigations made by M.V. "Challenge" along the eastern Australian coast, from November, 1959, to May, 1960.

Family Volutidae.

Genus *NANNAMORIA* Iredale.

Nannamoria Iredale, 1929, *Rec. Aust. Mus.* 17: 181. Types species by original designation, *Nannamoria amicula* Iredale, 1929, *Rec. Aust. Mus.* 17: 181, pl. 40, fig 4.

Nannamoria parabola sp. nov.

(Plate 1, figs. 1A-1B.)

Remarks: This new species is a beautiful addition to the genus, having much in common with the type species, but the shell is broader and heavier, with pronounced spines on the shoulders.

Description: Shell roughly conic in shape, spire acuminate, aperture four-fifths of the total length, recurved. Protoconch of three whorls, smooth and dome-shaped; adult shell with four additional whorls, the aperture produced at the posterior end over the spines of the preceding whorl; outer lip slightly thickened and roughly parallel with the recurved columella. Sculpture of faint growth striae, with short hollow spines on the shoulders, ten spines to each whorl, extending as pronounced axial ridges, fading towards the anterior end. Columellar plaits variable, being five and seven in two immature specimens, but no less than twelve in the adult holotype, varying considerably in size. Colour pale fawn, with fine longitudinal chestnut lines, some merging and some finishing abruptly. A band of small chestnut blotches encircles the shell in the middle of the body whorl, and another less definite below the spines, while a thickening of the chestnut lines at the anterior end suggests a third band of colour; outer lip and both ends of the inner lip white.

Dimensions: Holotype: length 35 mm., breadth 18 mm., length of aperture 29 mm.

Type Locality: All known specimens were trawled in 125 fathoms, off Moreton Island, Queensland.

Types: The holotype, a mature shell, has been presented to the Australian Museum, where it is registered as C.63141. A paratype is in the author's collection, while a second paratype is in the National Museum of Victoria, No. F.21107.

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Fig. 3. *Volutoconus coniformis* (Cox). Apical view to show sculpture. Mag 1 1/3 X.

Fig. 4. *Volutoconus grossi* (Iredale). Off Yeppoon, Queensland. Apex showing radial sculpture. Mag. approx. 4 X.

Fig. 5. *Paramoria guntheri* (Smith). Encounter Bay, S.A. Aust. Mus. C. 62111. Mag. 1 1/3 X.

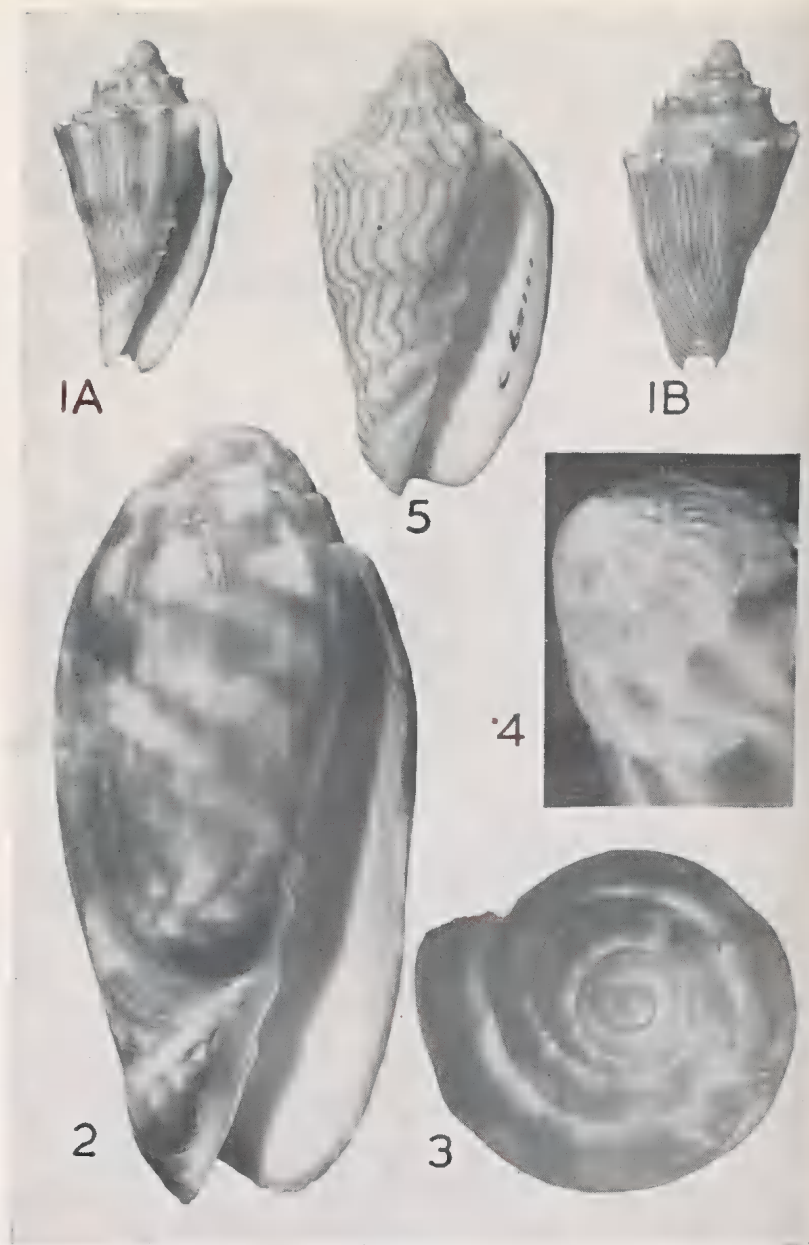


PLATE 1.

Figs. 1A, 1B. *Nannamoria parabola* Garrard. Holotype. Aust. Mus. C. 63141.
Mag. $1\frac{1}{3}$ X.

Fig. 2. *Volutoconus coniformis* (Cox). La Grange Bay, W.A. A. Whitworth Collection.
Mag. $1\frac{1}{3}$ X.

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